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(54) Title: TAMPER-RESISTANT PACKAGING AND APPROACH USING MAGNETICALLY-SET DATA

(57) Abstract: A tamper-resistant packaging approach protects an integrated circuit (100) from undesirable access. According to an example embodiment of the present invention, data is encrypted as a function of the state of a plurality of magnetically-responsive circuit elements (130-135) and then decrypted as a function of the state (130-135). A package (106) is arranged to prevent access to the integrated circuit and having magnetic particles (120-125) therein. The magnetic particles (120-125) are arranged to cause the magnetically-responsive circuit elements (130-135) to take on a state that is used to encrypt the data. The state of these elements is again accordingly used to decrypt the data (e.g., as a key). When the magnetic particles are altered, for example, by removing a portion of the package, the state of one or more of the magnetically-responsive circuit elements is changed, thus rendering the state incapable of being used for decrypting the data.



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B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 G06F G11C

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

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☒ Patent family members are listed in annex.

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

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